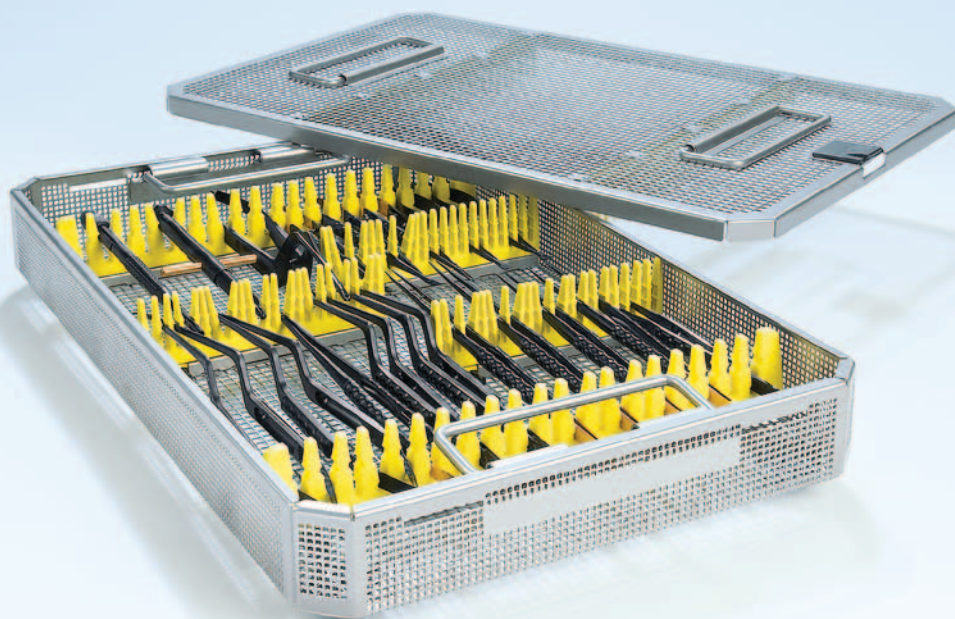
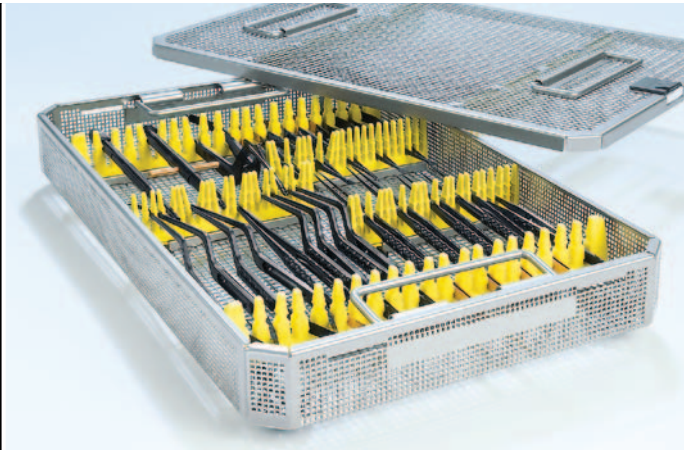


# Aesculap<sup>®</sup> EC/IC Bypass Set



Aesculap Neurosurgery

# Aesculap® EC/IC Bypass Set



- Round golf ball handle design
  - ...secure grip
  - ...easy rotation
- Fine instrument tips, which are particularly important for these anatomical conditions.
- Adapted working lengths (short, medium, long).
- **Noir® , No Irritating Reflections**  
The aesthetic black Noir® surface coating effectively prevents disturbing light reflections.
- Micro scissors for very fine, delicate incisions, e.g. to expose fine vessels in bypass surgery.
- Micro forceps for grasping fine, delicate tissue, e.g. to hold the vessels during anastomosis in bypass surgery.
- Needle holder for grasping fine needles and suture material for suturing in bypass surgery.
- Vessel punch for punching holes in vessels for subsequent anastomosis.
- AVM clip applicator forceps for applying AVM clips.



**Peter Vajkoczy, MD**  
**Berlin, Germany**

The reliable performance of the full armentarium of bypass types, at different depths along the basal cisterns and the sylvian fissure, remains a challenge, to both the surgeon and his instruments. Aesculap has to be congratulated for their Bypass set which very efficiently masters this challenge. These instruments combine a straightforward concept and delicate design with a high degree of durability. This allows these instruments to withstand the stress put on them by their routine use in the OR and sterilization facility. In addition, the design of the handles provides a maximum of precise maneuverability and turns the use of this set into a balanced and joyful daily experience.



**Thomas A. Kopitnik, MD**  
**Casper, USA**

The feel, balance, and precision is extraordinary and it is clear that much consideration and attention was given to the length, construction, and coating of these instruments. The matched set of instruments provides the surgeon a comprehensive solution to microvascular techniques ranging from superficial to very deep exposures. This bypass set should be in any surgical suite where fine microvascular repairs or anastomosis may be necessary.



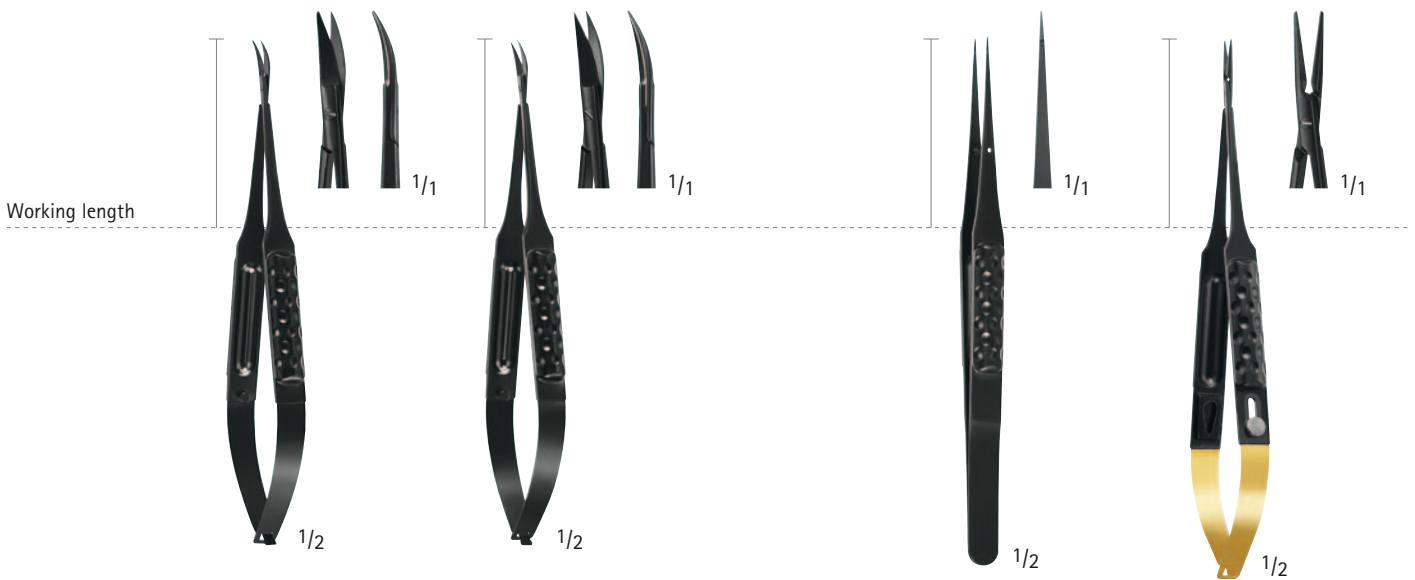
# Aesculap® EC/IC Bypass Set

Short micro instruments

Noir® Bypass scissors

Noir® Bypass forceps

Noir® Bypass needle holder



sharp/sharp >>

**FD482B**

0.3 mm >>

**FD488B**

blunt/sharp >>

**FD481B**

0.5 mm >>

**FD493B**

Working length 50 mm

50 mm

Working length 50 mm

50 mm

Total length 140 mm

140 mm

Total length 140 mm

150 mm



Noir® Diamond knife wedge blade



**FD115D**

Working length

80 mm

Total length

205 mm

Noir® AVM clip applier



**FE995K**

50 mm

180 mm

Kopitnik AVM Microclips straight, closing force between 50 g and 70 g

Jaw length	Max. opening width	Single pack	4-pack	
2 mm, 1/13"	1.5 mm, 1/17"	FE902K	FE922K	
3 mm, 1/8"	1.7 mm, 1/15"	FE903K	FE923K	
4 mm, 1/6"	2.0 mm, 1/13"	FE904K	FE924K	
5 mm, 1/5"	2.3 mm, 1/11"	FE905K	FE925K	

Kopitnik AVM Microclips curved, closing force between 50 g and 70 g

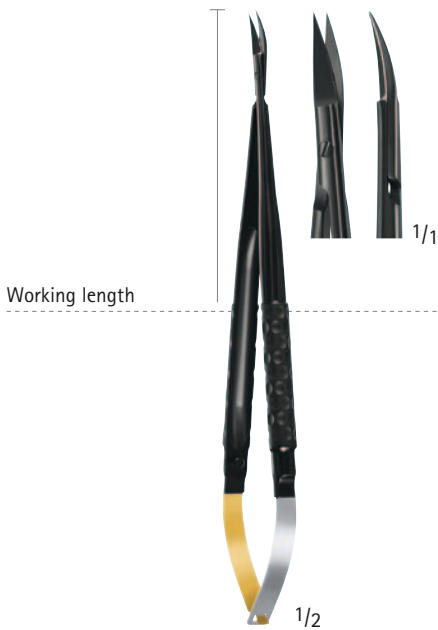
Jaw length	Max. opening width	Single pack	4-pack	
2 mm, 1/13"	1.5 mm, 1/17"	FE912K	FE932K	
3 mm, 1/8"	1.7 mm, 1/15"	FE913K	FE933K	
4 mm, 1/6"	2.0 mm, 1/13"	FE914K	FE934K	
5 mm, 1/5"	2.3 mm, 1/11"	FE915K	FE935K	

# Aesculap® EC/IC Bypass Set

Medium micro instruments



Noir® Bypass scissors




Working length



Noir® Bypass forceps



Noir® Bypass needle holder



sharp/sharp		<b>FD483B</b>
Working length		80 mm
Total length		170 mm

0.3 mm		<b>FD489B</b>
0.5 mm		
Working length		80 mm
Total length		170 mm

		<b>FD494B</b>
Working length		80 mm
Total length		170 mm



Medium

Noir® Bypass vessel punch



Noir® Diamond knife wedge blade



**FB194B**

**FD115D**

Working length

50 mm

80 mm

Total length

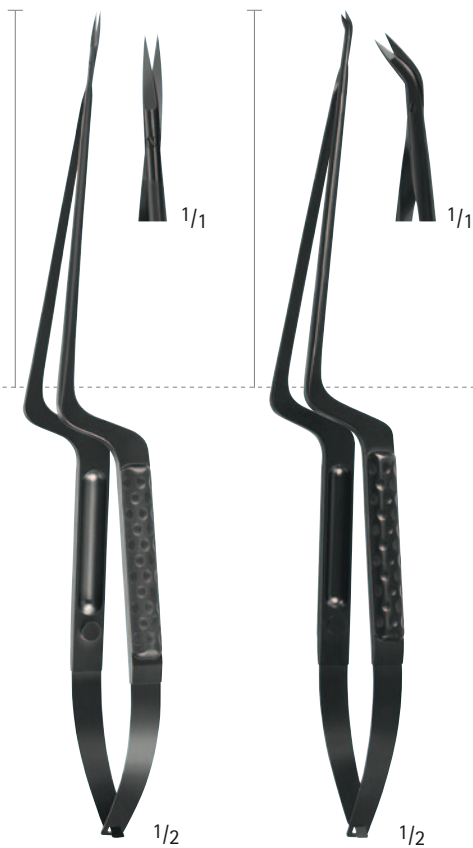
140 mm

205 mm

# Aesculap® EC/IC Bypass Set

Long micro instruments

Noir® Bypass scissors



sharp/sharp >>

**FD484B**

blunt/sharp >>

**FD485B**

Working length 100 mm, 0°

Working length 100 mm, 45°

Total length 225 mm

Total length 225 mm

Noir® Bypass forceps



0.3 mm >>

**FD490B**

0.5 mm >>

Working length 100 mm

Total length 210 mm

Noir® Bypass needle holder



**FD495B**

Working length 100 mm

Total length 210 mm



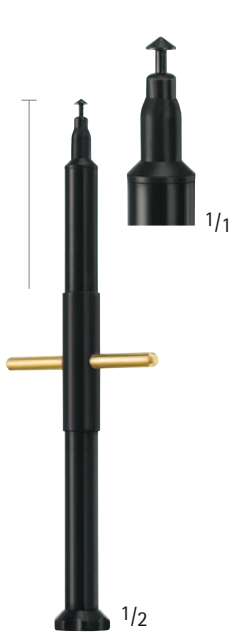


Long

Noir® Bypass vessel punch

Noir® Diamond knife wedge blade

Bypass set storage



**FB194B**

**FD115D**

**FD460R**

Working length

50 mm

80 mm

410 x 257 x 56 mm

Total length

140 mm

205 mm

# Aesculap® EC/IC Bypass Set



Recommended set list by Peter Vajkoczy, MD:

Quantity	Art. no.	Designation
1 x	FD481B	Bypass scissors, Noir®, bent, blunt/sharp, 140 mm
1 x	FD482B	Bypass scissors, Noir®, bent, sharp/sharp, 140 mm
1 x	FD483B	Bypass scissors, Noir®, bent, sharp/sharp, 170 mm
1 x	FD484B	Bypass scissors, Noir®, bent, sharp/sharp, 225 mm
1 x	FD485B	Bypass scissors, Noir®, bent, blunt/sharp, 225 mm
2 x	FD488B	Bypass forceps, Noir®, straight, 0.3 mm, 140 mm
2 x	FD489B	Bypass forceps, Noir®, straight, 0.3 mm, 170 mm
2 x	FD490B	Bypass forceps, Noir®, straight, 0.3 mm, 210 mm
1 x	FD493B	Bypass needle holder, Noir®, straight, 0.5 mm, 150 mm
1 x	FD494B	Bypass needle holder, Noir®, bent, 0.5 mm, 170 mm
1 x	FD495B	Bypass needle holder, Noir®, bent, 0.5 mm, 210 mm
1 x	FD115D	Diamond knife, Noir®, 45° wedge blade
1 x	FB194B	Bypass aortic punch, Noir®
1 x	FE995K	AVM clip applier forceps, Noir®, 50 mm
1 x	FD460R	Bypass set storage

Quantity	Art. no.	Designation
<b>Kopitnik AVM Microclips straight</b>		
1 x	FE902K	jaw length 2 mm, 1/13", max. open width 1.5 mm, 1/17"
4 x	FE922K	
1 x	FE903K	jaw length 3 mm, 1/8", max. open width 1.7 mm, 1/15"
4 x	FE923K	
1 x	FE904K	jaw length 4 mm, 1/6", max. open width 2.0 mm, 1/13"
4 x	FE924K	
1 x	FE905K	jaw length 5 mm, 1/5", max. open width 2.3 mm, 1/11"
4 x	FE925K	
<b>Kopitnik AVM Microclips curved</b>		
1 x	FE912K	jaw length 2 mm, 1/13", max. open width 1.5 mm, 1/17"
4 x	FE932K	
1 x	FE913K	jaw length 3 mm, 1/8", max. open width 1.7 mm, 1/15"
4 x	FE933K	
1 x	FE914K	jaw length 4 mm, 1/6", max. open width 2.0 mm, 1/13"
4 x	FE934K	
1 x	FE915K	jaw length 5 mm, 1/5", max. open width 2.3 mm, 1/11"
4 x	FE935K	

## Further instruments for vascular surgery

Particularly suitable for microvascular decompression (according to Jannetta)



Noir® Micro Overholt forceps are particularly suitable for positioning plates between arteries and nerves during microvascular decompression (according to Jannetta).

	FD510B	FD511B
Working length	90 mm, 45°	90 mm, 90°
Total length	210 mm	210 mm

